

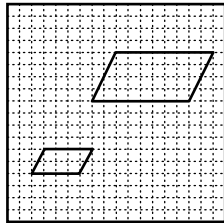
**LESSON**  
**7-5**

# Homework and Practice

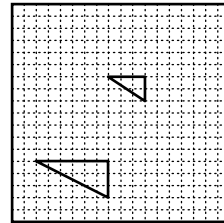
## Dilations

Tell whether each transformation is a dilation.

1.

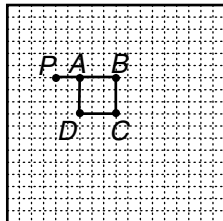


2.

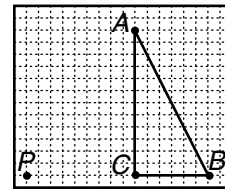


Dilate each figure by the given scale factor with  $P$  as the center of dilation.

3. scale factor is 2

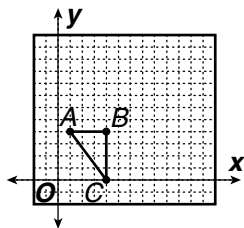


4. scale factor is  $\frac{1}{3}$

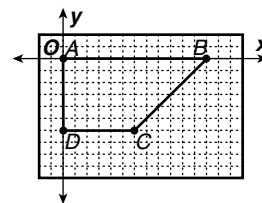


Dilate each figure by the given scale with the origin as the center of dilation. What are the coordinates of the image?

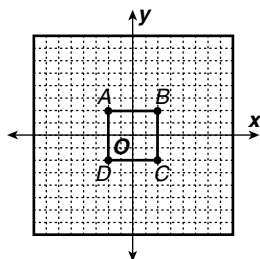
5. scale factor is 2



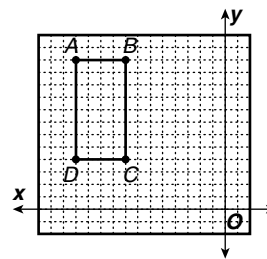
6. scale factor is  $\frac{1}{3}$



7. scale factor is 3



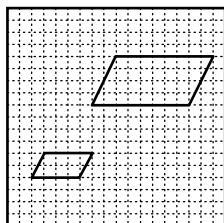
8. scale factor is  $\frac{1}{4}$



# **LESSON** **7-5 Dilations**

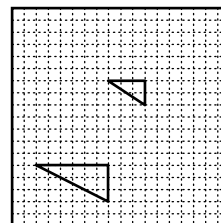
Tell whether each transformation is a dilation.

1.



**dilation**

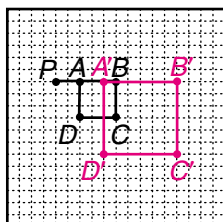
2.



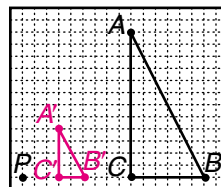
**not a dilation**

Dilate each figure by the given scale factor with  $P$  as the center of dilation.

3. scale factor is 2

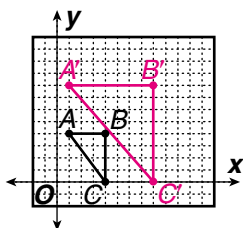


4. scale factor is  $\frac{1}{3}$



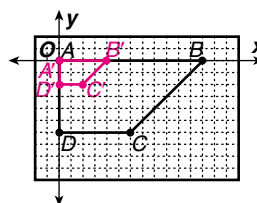
Dilate each figure by the given scale with the origin as the center of dilation. What are the coordinates of the image?

5. scale factor is 2



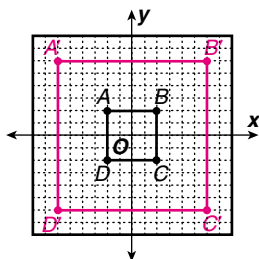
**(1, 8), (8, 0), (8, 8)**

6. scale factor is  $\frac{1}{3}$



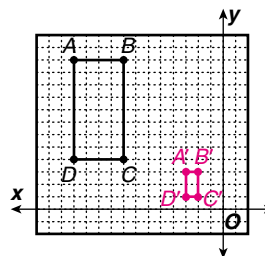
**(0, 0), (4, 0), (2, -2), (0, -2)**

7. scale factor is 3



**(-6, 6), (6, 6), (6, -6), (-6, -6)**

8. scale factor is  $\frac{1}{4}$



**(-3, 3), (-2, 3), (-2, 1), (-3, 1)**